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County Borough of Merthyr Tydfil.

Annual Report

of the

Medical Officer of Health

1947

H. W. Southey & Sons, Ltd., "Merthyr Express,"
Glebeland Street.
MERTHYR TYDFIL:

COUNTY BOROUGH OF MERTHYR TYDFIL.

ANNUAL REPORT

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Medical Officer of Health

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H. W. Southey & Sons, Ltd.,
"Express" Office, Merthyr Tydfil.

1949

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County Borough of Merthyr Tydfil.

List of Health Committees and Officials.

HEALTH COMMITTEE.

Chairman :
Councillor H. I. WILLIAMS, B.E.M., J.P.

Vice-Chairman :
Alderman WILLIAM POWELL.

Members :
Aldermen A. J. Brobyn, T. E. Rees, D. J. Morgan, W. Powell, Councillors D. O'Driscoll, Mrs. McPhail, M. Osborne, D. Wood, B. M. Davies, B. Watkins, F. Bell, A. Wilson, C. Stanfield, G. Young, J. H. Jones, with the Mayor and ex-Mayor.

MATERNITY AND CHILD WELFARE COMMITTEE.

Chairman :
Councillor H. I. WILLIAMS, B.E.M., J.P.

Vice-Chairman :
Alderman WM. POWELL.

Members :

Aldermen T. E. Rees, A. J. Brobyn, D. J. Morgan, W. Powell; Councillors D. O'Driscoll, Mrs. McPhail, C. Stanfield. M. Osborne, B. M. Davies, B. Watkins, L. Bell, D. Wood, J. H. Jones, G. Young, A. Wilson, with the Mayor and Ex-mayor, *Co-opted Members :* Mrs. D. J. Evans, Mrs. Smith.

MARDY HOSPITAL (VISITING) SUB-COMMITTEE.

Chairman : H. I. WILLIAMS, B.E.M., J.P.

Aldermen Wm. Powell, A. J. Brobyn: Councillors D. O'Driscoll, Mrs. McPhail, T. J. Lloyd, B. Watkins, G. Young, and the Mayor

TUBERCULOSIS AFTER-CARE COMMITTEE.

Chairman : Councillor H. I. WILLIAMS, B.E.M., J.P.

Vice-Chairman : Alderman W. POWELL.

Members :

Aldermen D. J. Morgan, T. E. Rees, A. J. Brobyn ; Councillors D. O'Driscoll, M. Osborne, D. Wood, B. M. Davies, J. H. Jones, Mrs. McPhail, C. Stanfield, L. Bell, B. Watkins, G. Young, A. Wilson, with the Mayor and ex-Mayor.

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY

MEDICAL :

T. H. STEPHENS, M.B., CH.B., D.P.H., Medical Officer of Health School Medical Officer, Superintendent Isolation Hospital, Medical Adviser Public Assistance Committee, Medical Officer under Mental Deficiency Acts.

DILYS STEPHENS, B.SC., M.B., B.CH., M.R.C.S., L.R.C.P., D.P.H.

MONICA P. MORTON, B.SC., M.B., B.CH.

S. BLOOM, F.R.C.S., L.R.C.P. (part time) Medical Officer to Venereal Clinic, Public Vaccinator, Tydfil Lodge.

C. M. PROBERT, M.R.C.S., L.R.C.P., Medical Officer, Tydfil Lodge.

Drs. P. CRESSWELL, S. BLOOM, M. BLOOM, R. RYCE, C. R. WHITE and A. M. ROBERTSON, District Medical Officers and Public Vaccinators.

Mr. A. O. PARKER, Visiting Orthopædic Surgeon to Maternity and Child Welfare and School Clinics.

Public Health Officers to the Local Authority—*continued.*

Professor STRACHAN, M.D., F.R.C.S., F.R.C.P., F.C.O.G., Consulting Gynæcologist and Obstetrician.

D. J. JONES, M.R.C.S., L.R.C.P., District Medical Officer, Dowlais.

ROBERT OWEN, F.R.C.S., Ear, Nose and Throat Surgeon.

A. G. WATKINS, M.D., F.R.C.P., Paediatrician.

DENTAL.

J. A. WYLIE, L.D.S., Dental Officer to the Maternity and Child Welfare Department, School Dental Officer.

E. STANLEY EDWARDS, L.D.S., Assistant Dental Officer.

ANALYTICAL.

RHYS P. CHARLES, M.D., FRIC. (part time), Public Analyst also acts as part-time Bacteriologist.

SANITARY INSPECTORATE.

L. MILLS, M.R.S.I., M.S.I.A., Certificate of Royal Sanitary Institute for inspection of meat and other foods, Chief Sanitary Inspector. Inspector under Housing Acts, Inspector under the Food and Drugs Acts.

B. WILLIAMS, A.R.S.I., M.S.I.A., Certificate of Royal Sanitary Institute for inspection of meat and other foods, Sanitary Inspector. Inspector under Housing Acts, Inspector under the Food and Drugs Acts.

IORWERTH THOMAS A.R.S.I., M.S.I,A., Certificate of Royal Sanitary Institute for Inspection of Meat and other Foods, Sanitary Inspector, Inspector under Housing Acts, Inspector under the Food and Drugs Acts.

Public Health Officers to the Local Authority—*continued.*

D. A. JONES, A.R.S.I., Certificate of Royal Sanitary Institute for Inspection of Meat and other Foods, Sanitary Inspector, Inspector under Housing Acts, Inspector under the Food and Drugs Acts.

CYRIL STUCKEY, A.R.S.I., M.S.I.A., Certificate of Royal Sanitary Institute for Inspection of Meat and other Foods, Sanitary Inspector. Inspector under the Housing Acts, Inspector under the Food and Drugs Acts.

CLERICAL.

Chief Clerk: TERRY THOMAS, C.R.S.I.

I. CHARLES, J. A. WILLIAMS. NEAL DAVIS. S. LEWIS. GLADYS EVANS. M. P. JONES. W. K. Jones. I. PROTHEROE. A. EDWARDS (Part Year). HILDA LEWIS (Part Year). MERVYN JONES (Part Year).

VETERINARY SURGEON (part-time).

Major W. D. WILLIAMS, M.R.C.V.S., "Gormont," Caerphilly.

HEALTH VISITORS AND SCHOOL NURSES.

M. J. PARRY, C.M.B., C.R.S.I. (Trained Nurse).

E. WILLIAMS, C.R.S.I., Fever and Tuberculosis Training.

A. L. EVANS, C.M.B., New Health Visitor's Certificate.

D. PETERS, C.M.B., New Health Visitor's Certificate.

M. JELLEYMAN, C.M.B., New Health Visitor's Certificate.

Public Health Officers to the Local Authority—*continued.*

E. J. WATKINS, C.M.B., New Health Visitor's Certificate.

M.. GEORGE, C.M.B., New Health Visitor's Certificate. (Part Year).

MIDWIVES.

Midwives: Nurses L. M. DOWSE, M. JONES, B. LEWIS, H. DAVIES, A. SUSSEX, B. CARLICK, B. M. JONES, M. J. WILLIAMS, E. A. GILLAM, M. WILLIAMS, K. LOVIS.

ORTHOPAEDIC NURSE.

A. G. DAVIES (Part Year). For Maternity and Child Welfare and School Clinics.

DENTAL NURSE.

M. EVANS. For Maternity and Child Welfare and School Clinics.

ISOLATION HOSPITAL STAFF.

Matron: C. JONES. Four Sisters, one Assistant Nurse and twelve Probationers.

County Borough of Merthyr Tydfil.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

DEPARTMENT OF PUBLIC HEALTH,
TOWN HALL,
MERTHYR TYDFIL.

To the Mayor, Aldermen and Councillors of the County Borough of Merthyr Tydfil.

MR. MAYOR, LADIES AND GENTLEMEN,

I have the honour to submit for your consideration, the ANNUAL REPORT for the year 1947, on the Health and Sanitary circumstances of the County Borough of Merthyr Tydfil.

The report is in accordance with the memorandum of the Ministry of Health.

During the year consideration has been given to the drafting of the proposals in readiness for the operation of the National Health Service Act, 1946, which proposes to provide a comprehensive medical service for every member of the community irrespective of age or financial circumstances. The organisation of details in respect of the Act, will be reported more fully in the next annual report.

I should like to express my gratitude to you and the members of the Corporation for their support during the year in all matters appertaining to the health of the people.

I have the honour to be,

Your obedient Servant,

T. H. STEPHENS,
Medical Officer of Health.

EMPLOYMENT OF PERSONS IN THE COUNTY BOROUGH OF MERTHYR TYDFIL.

I have in previous years obtained from the Ministry of Labour the number of persons employed and their ages and sexes in the County Borough, and I append the following report giving the position of employment in July, 1947 :

BY PERSONS INSURED AGAINST UNEMPLOYMENT AT JULY, 1947.

Industry.	*Op. No.*	*Men*		*Boys*		*Women*		*Girls*		*Total*
		21-64	18-20	16-17	14-15	21-59	18-20	16-17	14-15	
Agric. Horticulture etc. (incl. Private Gardening)	1	126	10	7	6	3	3	1	2	158
Fishing	2	—	—	—	—	—	—	—	—	—
Mining and Quarrying	3	4632	264	91	63	33	4	4	5	5096
Non-Metalliferous Mining Products	4	67	1	7	7	—	—	—	—	82
Brick, Tile Pipe Making, etc.	5	7	—	—	—	5	—	—	—	12
Pottery, Earthenware, etc.	6	—	—	—	—	—	—	—	—	—
Glass	7	7	—	1	1	11	4	1	—	25
Chemicals, Explosives, Paints, Oils, etc.	8	642	5	7	8	128	7	7	3	807
Metal Manufacture	9	35	1	—	—	6	—	—	—	42
Engineering, etc.	10	1560	35	54	10	506	41	18	3	2227
Construction and Repair of Vehicles	11	348	16	46	17	463	94	40	7	1031
Ship Building and Ship Repairing	12	1	—	—	—	—	—	—	—	1
Other Metal Industries	13	98	8	23	11	92	46	16	—	294
Textiles	14	244	13	33	9	273	85	53	51	761
Leather and Leather Goods and Fur	15	22	—	4	3	7	5	9	6	56
Clothing	16	55	4	2	2	155	127	120	126	591
Food, Drink and Tobacco	17	198	13	35	22	111	64	59	25	527
Woodworking, etc.	18	35	—	3	1	8	—	—	1	48
Building and Contracting	19	1907	47	86	60	4	4	—	—	2108
Paper, Printing, etc.	20	48	2	2	4	13	9	12	13	103
Other Manufacturing Industries	21	70	5	11	12	98	61	43	11	311
Gas, Water and Electricity	22	213	7	6	11	7	1	—	—	245
Transport and Communication	23	547	17	23	25	32	3	3	2	652
Distributive Trades	24	737	33	118	92	505	217	150	73	1925
Commerce and Finance	25	11	2	2	—	8	—	1	—	24
Miscellaneous Trades and Services	26	1242	28	43	28	830	144	85	40	2440
Total All Industries and Services		12852	511	604	392	3298	919	622	368	19566

MERTHYR TYDFIL COUNTY BOROUGH.

VITAL STATISTICS.

Area of Borough	17,761 acres
Population (Census 1931):	
Males—36,317 } Females—34,791 }	71,108
Estimated Resident Population:	
Midsummer, 1947	60,180
Birth Rate for 1947	19.6
Average Birth Rate for previous ten years	16.08
Crude Death Rate from all causes for 1947	15. 6
Death Rate from Pulmonary Tuberculosis for 1947 ...	0.48
Death Rate from other forms of Tuberculosis for 1947	0.08
Infantile Mortality Rate for 1947 per thousand births...	62.65
Maternal Mortality Rate for 1947 per thousand births...	4.2
Assessable Value (General Rate)	£235,012
The produce of a penny rate during 1947 ...	£875
Number of Houses on Rate Books during 1946...	15,856
Number of Houses and Shops 423	
Number of Farms... 73	
Number of Inns and Clubs ... ... 172——	16,524

BIRTHS 1947.

Net number of Live Births registered 1181

The illegitimate births are as follows :—

Males	13
Females	25

STILL-BIRTHS 1947.

The Registrar General has supplied the following tables :—

Males	23
Females	21

The Illegitimate Still-Births are as follows :—

Males	2
Females	—

DEATHS 1947.

Number of Deaths in 1946 940

The number of deaths actually occuring in the County Borough Area during 1947 was 1032, but with the addition of 60 deaths of Merthyr residents which took place outside the Borough and the subtraction of 152 deaths of non-residents which occured within the area, the total number of deaths was 940.

Analysis of deaths of non-residents :—

Tydfil Lodge, 120 ; General Hospital, 23 : Mardy Isolation Hospital, 5 ; Pontsarn Sanatorium, 1 ; Llwynwern Dowlais, 1 ; Private Residences, 2.

TOTAL ... 152.

Analysis of deaths of residents ocurring outside the County Borough area :—

Royal Infirmary, Cardiff, 26 ; Cefn Coed Hospital, Swansea 12 ; St. Winifred's Cardiff, 2 ; Sully Hospital, Sully, 1 ; Whitchurch, Emergency Hospital, 1 ; Glynneath Colliery, 1 ; Glan Ely Hospital, 1 ; Llandough Hospital, 1 ; Bedwas Colliery, 1 ; Hensol Castle, 2 ; Abercynon Colliery, 1 ; Keynsham, 1 ; West Glan. County Hospital, 1 ; Hastings Municipal Hospital, 1 ; Gower, 1 ; Brecon, 1 ; Pontypridd, 1 ; Lord Ninian Hospital, 1 ; Westminster Hospital, 1 ; Clifton Court, Bristol, 1 ; Rookwood, 1 ; Margate Gen. Hospital, 1.

TOTAL ... 60.

The deaths were distributed in the Wards as follows :—

	Deaths		Deaths
Dowlais	191	Town	180
Penydarren	74	Plymouth	84
Park	79	Merthyr Vale	84
Cyfarthfa	92	Treharris	96

I am not, however, giving the percentage death rate in the various wards because the only available information regarding the population in the respective wards is contained in the 1931 census, and as you are aware, a number of changes have taken place in ward distribution of population since then.

No significance, of course, can be attached to the above figures, because age and sex distribution have not been taken into account, nor has the population and deaths at hospitals and institutions.

ANALYSIS OF DEATHS FROM VARIOUS CAUSES.

HEART DISEASE.

	Total.
Males	123
Females	107

The deaths recorded in the age and sex groups are as follows :—

	0—5	5—15	15—45	45—65	65 upw'ds
M.	—	—	5	33	85
F.	—	—	3	25	79

Heart disease, therefore, was responsible for 24.4% of the total causes of death.

CANCER AND MALIGNANT DISEASE.

			Total.
Males	...	...	62
Females	...	...	55

The deaths recorded in the age and sex groups are as follows :—

	0—5	5—15	15—45	45—65	65 upw'ds
M.	—	—	1	20	41
F.	—	—	5	22	28

Cancer and Malignant Disease, therefore, was responsible for 10.4% of the total causes of death as compared with 12.83% last year.

TUBERCULOSIS (Pulmonary and other forms).

			Total.
Males	...	...	30
Females	...	...	24

The deaths recorded in the age and sex groups are as follows :—

	0—5	5—15	15—45	45—65	65 upw'ds
M.	2	—	10	14	4
F.	1	3	14	6	—

Tuberculosis, therefore, was responsible for 5.74% of the total causes of death.

CONGENITAL DEBILITY, PREMATURE BIRTH, AND MALFORMATION.

			Total.
Males	...	...	24
Females	...	...	14

Congenital Debility, Premature Birth and Malformation, therefore, was responsible for 4.04% of the total causes of death.

BRONCHITIS.

Males	50
Females	28

The deaths recorded in the age and sex groups are as follows :—

	0—5	5—15	15—45	45—65	65 upw'ds
M.	3	—	2	12	33
F.	1	—	—	5	22

Bronchitis, therefore, was responsible for 8.2% of the total causes of death

PNEUMONIA.

	Total.
Males	19
Females	18

The deaths recorded in the age and sex groups are as follows :—

	0—5	5—15	15—45	45—65	65 upw'ds
M.	9	—	1	4	5
F.	11	—	2	4	1

Pneumonia, therefore, was responsible for 3.93% of the total causes of death.

DEATHS AT CERTAIN AGE PERIODS.

Age Periods	Males	Females	Total	Percentage of Total Deaths
Under 1 year	44	30	74	7.88
1–5	9	6	15	1.60
5–15	4	4	8	0.86
15–45	48	47	95	10.87
45–65	130	107	237	54.37
65 and over	279	232	511	24.42

FATAL ACCIDENTS.

The following fatal accidents and suicides were recorded during the year :—

Severe Burns, 1 ; Shock, 1 ; Motor Accidents, 3 ; Coal-gas Poisoning ; 7 ; Asphyxiation by Drowning, 4 ; Suffocation, 2 ; Heart Failure, 2 ; Scalds, 4 ; Hanging, 2 ; Fall of Underground Roof, 2 ; Poisons, 1 ; Railway Accident, 2 ; Fall on Steps, 2 ; Quarry Accident, 1 ; Fall over Wall, 1 ; Struck by Hammer Head, 1 ; Bullet Wound from Pistol, 1.

TOTAL ... 37.

INFANTILE MORTALITY.

The number of deaths of infants under one year during 1947 was 74, which is three more than for 1946, but which gives a rate of 62.65 per thousand births as compared with 60.47 per thousand births for the previous year.

COMPARISON OF INFANT DEATHS.

Deaths of Legitimate Infants	71
Death Rate per thousand Legitimate Births ...	59.17
Deaths of Illegitimate Infants	3
Death Rate per thousand Illegitimate Births ...	86.96
Infantile Mortality Rate for England and Wales	41
Infantile Mortality Rate for the Boroughs and Great Towns	47

ANALYSIS OF INFANT DEATHS—1947.

(*a*) Subdivision into age groups of Infant Deaths :—

Under one week, 22;
Over one week but under one month, 10 ;
One to three months, 17 ;
Three to six months, 18 ;
Six to twelve months, 7.

TOTAL ... ... 74.

(*b*) Subdivision into causes of Death under One year.

The following were the causes of death at the age groups stated :—

Under One Week :

Premature Birth, 12 ; Heart Failure, 5 ; Debility, 2 ; Asphyxia, 1 ; Spina Bifida, 1 ; Marasmus, 1.

Total deaths under one week : 22.

Over One Week but under One Month :

Premature Birth, 3 ; Convulsions, 3 ; Bronchitis, 1 ; Atelectasis, 1 ; Broncho Pneumonia, 1 ; Cardiac Failure, 1.

Total deaths over one week but under one month ... 10.

One Month to Three Months :

Broncho Pneumonia, 4 ; Heart Failure, 4 ; Gastro Enteritis, 1 ; Convulsions, 1 ; Pneumonia, 2 ; Debility, 1 ; Suffocation, 1 ; Uraemia 1 ; Microcephalty, 1 ; Bronchitis, 1.

Total deaths one to three months ... 17.

Three Months to Six Months :

Acute Bronchitis, 1 ; Cardiac Failure, 1 ; Gastro Enteritis, 2 ; Pneumonia, 13 ; Convulsions, 1.

Total deaths three to six months ... 18.

Six Months to Twelve Months :

Gastro Enteritis, 1 ; Shock, 1 ; Broncho-Pneumonia, 3 ; Heart Failure, 1 ; Bronchitis, 1.

Total deaths six to twelve months ... 7

WARD DISTRIBUTION OF INFANT DEATHS.

The Ward Distribution of Infant Deaths for 1946 was as follows :—

Dowlais ...	14	Town ...	4
Penydarren ...	9	Plymouth ...	5
Park	16	Merthyr Vale ...	8
Cyfarthfa ...	8	Treharris... ...	10
		TOTAL ...	74

INFANTILE MORTALITY RATE FOR THE YEARS 1927 TO 1947.

1927	103	1937	79
1928	93	1938	77
1929	107	1939	86
1930	91	1940	58
1931	105	1941	80
1932	73	1942	80.03
1933	89.7	1943	63
1934	74	1944	64
1935	74	1945	70.8
1936	79	1946	60.47
		1947	62.65

INFANT WELFARE CENTRES.

(*a*) Centres provided and maintained by the Council: Nos. 3 and 4, Glebeland Street, Merthyr Tydfil; Plough School, Gellifaelog, Dowlais; Church Hall, Troedyrhiw; Bethel Hall, Treharris.

(*b*) Total number of children who attended at the Centres for the first time during the year, and who, on the date of their first attendance, were—

(i) Under 1 year of age	974
(ii) Between the ages of 1 and 5 years	305

(*c*) Total number of children who attended the Centres during the year, and who, at the end of the year, were—

(i) Under 1 year of age	1,017
(ii) Between the ages of 1 to 5 years	745

TODDLERS' CLINIC.

A Clinic for toddlers is held once fortnightly for children from 2 to 5 years of age, excepting those who are in attendance at Elementary Schools.

MATERNITY AND CHILD WELFARE.

MIDWIVES ACT, 1936.

The total number of cases attended by the Midwives to the 31st of December, 1947 was 492. The average number of cases per Midwife was 45. This number is small, but regard must be had to the peculiar configuration of the Borough and the fact that no Midwife is supplied with a car, and, consequently, long distances have to be undertaken on foot.

The total amount of fees received up to 31st December, 1947, in respect of attendances of Midwives as Midwives or Maternity Nurses was £556 8s. 0d.

The fees charged to individuals for attention as Midwives or Maternity Nurses is as follows, and remission of fee takes place where the income falls below the undermentioned scale :—

Net Weekly Parental Income per head (after deducting Rent and including newly-born infant).	Amount of Fee Recoverable.
Under 10s.	Nil.
10s. to 12s. 6d....	10s.
12s. 6d. to 15s....	20s.
15s. and over	30s.

Subject to--

(*a*) Maternity Benefit not being claimed; but that in the event of two benefits being received, one benefit shall be claimed from, and be payable by, the patient.

(*b*) Special consideration shall be given by the Maternity and Child Welfare Committee in cases where exceptional expenditure is incurred by the parent, *e.g.*, train or bus fares to and from work.

The scheme is working quite satisfactorily, but there does not appear to be inaugurated any satisfactory scheme for Refresher Courses in South Wales.

PUERPERAL PYREXIA.

Number of cases of Puerperal Pyrexia ...	9
Number of deaths from Puerperal Sepsis	2
Number of deaths from other Puerperal Diseases	3

The Puerperal Pyrexia notifications per 1,000 total births, live and still, for England and Wales, was 7.16; for Merthyr, 7.3.

MATERNAL MORTALITY.

Total number of deaths during the year	5
Death rate per thousand live births	4.2
Death rate per thousand total births	4.0
Deaths from Puerperal Sepsis, rate per thousand total births	1.6

MERTHYR INFIRMARY AND GWAUNFARREN MATERNITY HOME.

917 women entered the Infirmary and Gwaunfarren Maternity Home for their confinement during the year—of these, 608 were cases from the County Borough of Merthyr Tydfil. Priority for admission was given ro those (*a*) Primipara—with anticipated obstetrical difficulties, and (*b*) cases where the home circumstances were unsatisfactory.

MATERNAL MORTALITY.

Maternal Mortality.	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
(*a*) Total Number — —	7	8	4	2	7	1	4	6	3	2	4	1	3	3	2	2	5
(*b*) From Sepsis — — —	3	2	2	1	2	1	—	1	—	—	2	—	—	—	—	—	2
(*c*) From other causes — —	4	6	2	1	5	—	4	5	3	2	2	1	1	3	2	2	3
(*d*) From associated causes —	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—
(*e*) Rate per 1,000 births — L.B.	6.1	7.69	3.9	1.9	6.88	1.08	4.4	6.3	3.3	1.99	3.69	.9	2.8	2.7	2.08	1.75	4.2
T.B.	5.69	7.13	.62	1.8	6.4	1.02	4.2	5.9	3.1	1.9	3.53	.9	2.7	2 63	1.9	1.67	4.0

OPHTHALMIA NEONATORUM.

Number of cases notified 1
Rate per thousand births 0.8

The following are particulars of the cases :—

Cases			Vision un-impaired	Vision impaired	Total Blind-ness	Deaths	Rem'ved from District
	Treated						
No. notified	At Home	In Hospital					
1	1	—	1	—	—	—	—

BOARDING-OUT OF CHILDREN.

The Boarding-out Committee meet once monthly, and the Health Visitors report as to the condition of the homes and the children whom they visit several times each month. On the 31st December, 1947, there were 12 children boarded-out.

The functions of the Public Assistance Committee in so far as they relate to the education and maintenance of poor children apart from their parents are carried out by the Education and Maternity and Child Welfare Committees, subject to the general directions of the Public Assistance Committee.

INFANT LIFE PROTECTION.

The number of foster parents registered during the year 1946 was ... ... Nil
The number of children registered was ... 2

No cases were placed on the register during the year 1947, and in no instances were legal proceedings necessary in respect of the infringement of the Act during the year. Nursing and maintenance were found to be satisfactory. There are at present 2 foster parents and 2 children registered.

ORTHOPAEDIC CASES OF CHILDREN NOT ATTENDING SCHOOL.

The following is the table of work done during the year :—

MERTHYR CENTRE :

Number of cases	54
Number of sunlight cases...	62
Number of massage and exercise treatments given ...	332
Number of ultra-violet ray treatments...	399
Number of Plaster of Paris cases	4
Number of visits	16

DOWLAIS CENTRE :

Number of cases	21
Number of sunlight cases...	10
Number of massage and exercise treatments given ...	148
Number of Plaster of Paris cases	4
Number of ultra-violet ray treatments...	65

TREHARRIS CENTRE :

Number of cases	19
Number of massage and exercise treatments given ...	55
Number of Plaster of Paris cases	4
Number of visits	4

Infectious Diseases.

SCARLET FEVER.

Number of cases for the year 1947 76

Number of deaths ... ... Nil

SCARLET FEVER—AGE/WARD DISTRIBUTION.

	Under 1	1-5	5-15	15-25	25-45	45-65	65 and over	Total
Dowlais	—	3	4	—	—	—	—	7
Penydarren	—	4	4	—	1	—	—	9
Park	—	5	7	—	—	—	—	12
Cyfarthfa	—	4	3	1	—	—	—	8
Town	—	4	18	2	1	—	—	25
Plymouth	—	1	—	—	—	—	—	1
Merthyr Vale	—	1	1	—	—	—	—	2
Treharris	—	7	5	1	—	—	—	12
TOTAL	—	29	42	3	2	—	—	76

Of the 76 notified, 26 were removed to hospital, and the remainder were nursed at home. The disease continues to be mild in type.

DIPHTHERIA.

The number of cases of Diphtheria was	53
Number of deaths	Nil
Mortality Rate	Nil

During the year 1947 the total number of cases of diphtheria notified was 53, but of the 53 cases only 15 were cases of clinical diphtheria. I propose in future, to give the case mortality and incidence on this basis. In previous years all cases that have been admitted to the Isolation Hospital as diphtheria have been taken as the true figure, and case mortality and incidence have been based on that. That return, of course, was inaccurate, but now that we have come to the true statistical figure, we find that our case mortality is Nil.

DIPHTHERIA—AGE/WARD DISTRIBUTION.

	Under 1	1-5	5-15	15-25	25-45	45-65	65 and over	Total
Dowlais	—	5	2	—	1	—	—	8
Penydarren	—	—	2	—	1	—	—	3
Park	—	—	2	2	—	—	—	4
Cyfarthfa	—	1	—	2	1	—	—	4
Town	—	2	5	1	3	—	—	11
Plymouth	—	5	1	—	—	—	—	6
Merthyr Vale	1	2	6	1	—	—	—	10
Treharris	—	3	2	2	—	—	—	7
TOTAL	1	18	20	8	6	—	—	53

An analysis of the age distribution of the notified cases shows that 35.84% were under 5 years of age; 37.73% 5-15; 15.09% 15–25; 11.32% 25–45.

No deaths occurred from Diphtheria during the years 1946 and 1947.

As stated in a previous Report, an immunisation campaign was commenced on the 12th of September, 1934.

Number of children completely immunised up to and including 31st December, 1947 15,052

CEREBRO-SPINAL FEVER.

One case of Cerebro-spinal Fever was notified during the year. There were no deaths during the year.

ACUTE POLIOMYELITIS AND ENCEPHALITIS LETHARGICA.

Ten cases were notified during the year. There were no deaths during the year.

DIARRHOEA.

Diarrhœa was certified as the cause of ten deaths during the year.

TUBERCULOSIS.

The total deaths from Tuberculosis during the year was 54.

NOTIFICATIONS.

Total number of Notifications		... ...	156
Pulmonary ...	Males	... ...	74
	Females	... ...	69
Non-Pulmonary ...	Males	... ...	8
	Females	... ...	5

NOTIFICATION RATES :

Pulmonary ...	Males	1.22
	Females	1.11
Non Pulmonary ...	Males	0.13
	Females	0.08

DEATHS.

Total number of Deaths		54
Pulmonary ...	Males	29
	Females	20
Non-Pulmonary ...	Males	1
	Females	4

DEATH RATES :

Pulmonary ...	Males	0.48
	Females	0.33
Non-Pulmonary ...	Males	0.01
	Females	0.06

Total Death Rate (all forms) 0.89

The age distribution is given in the sub-joined table :

Age Periods	Deaths				Notifications			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	1	1	1	—	4	3	1	1
5—15	—	—	—	3	8	[illegible]	2	1
15—45	10	13	—	1	35	54	5	3
45—65	14	6	—	—	21	6	—	—
65 and upwards	4	—	—	—	6	—	—	—
TOTALS	29	20	1	4	74	69	8	5
	54				15			

RETURN SHOWING THE WORK OF THE DISPENSARY DURING THE YEAR 1947.

Diagnosis	Pulmonary				Non-Pulmonary				Total				Grand Total
	Adults		Children		Adults		Children		Adults		Children		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A—Definite Cases of Tuberculosis on Register at beginning of year ...	255	215	43	42	36	40	18	29	291	255	61	71	678
B—Number of New Cases diagnosed as tuberculous during year ...	47	48	10	7	2	5	2	2	49	53	12	9	123
C—Number of Cases included in A and B written off the Dispensary Register during the year as—	302	2-3	53	49	38	45	20	31	340	308	73	80	801
(1) Recovered	20	6	4	7	4	6	2	8	24	12	6	15	57
(2) Dead (all causes)	21	16	—	2	—	—	—	—	21	16	—	2	39
(3) Removed	3	15	3	1	—	1	—	—	3	16	3	1	23
(4) For other reasons... ...	51	23	12	16	11	11	9	14	62	34	21	30	147
D—Number of Definite Cases of tuberculosis on the Dispensary Register at the end of year ...	2 7	203	34	23	23	27	9	9	230	230	4	32	535
Add transfers from other areas and cases "lost sight of" returning...	19	18	—	1	2	1	—	2	21	19	—	3	43
	226	221	34	24	25	28	9	11	251	249	43	35	578

The Ward distribution of the Notifications was as follows :—

Dowlais ...	17	Town	25
Penydarren ...	26	Plymouth ...	15
Park	20	Merthyr Vale ...	17
Cyfarthfa ...	23	Treharris ...	13

The Ward distribution of the deaths was as follows :—

Dowlais ...	11	Town	5
Penydarren ...	5	Plymouth ...	6
Park	12	Merthyr Vale ...	6
Cyfarthfa ...	3	Treharris ...	6

One-Hundred-and-Twenty-Three cases were admitted to Hospitals or Sanatoria during the year.

Of the 54 deaths, 38 occurred at home and 16 at institutions.

MEMO 266/T.

During the year 1947 there were 75 cases dealt with, and the following is detailed information regarding same :—

There were 1,040 payments made, and the total amounts paid out was £2,900 0s. 8d., made up as follows :

				£	s.	d.
MAINTENANCE	876	payments	totalling	2630	13	4
DISCRETIONARY	360	,,	,,	154	4	4
*SPECIAL	174	,,	,,	115	3	0

*The Special Payments are made up of 152 pocket money allowances and 55 travelling allowances.

AFTER-CARE SCHEME.

This Scheme No. 173 was started in November, 1945.

Nine cases were put on, and allowances comparable with 266/T were paid :—

From 30/12/46 to 28/12/47 the sum of £163 1s. 0d. wa paid out to these cases.

The sub-joined table (page 30) gives a return of the work of the Tuberculosis Dispensary.

MEASLES.

Number of cases notified to the Department during the year and visited by Health Visitors	443
Number of Deaths	3
Measles Mortality Rate	-

WHOOPING-COUGH.

Number of deaths from Whooping Cough	2
Number of cases notified to the Department and visited by Health Visitors	54
Whooping Cough Mortality Rate	

PNEUMONIA.

Number of Notifications received during the year ...	27
Number of Deaths	37
Pneumonia Mortality Rate	—

SMALL-POX.

No case of Small Pox was notified during the year.

VENEREAL DISEASES.

The facilities for diagnosis and treatment for the above condition are in the Mardy Hospital Grounds.

The Clinics are available at 3 p.m. for females on Tuesdays and for males on Thursdays at 5 p.m. The Irrigation Room is open daily (except Sundays) at 12 noon and 5 p.m.

On January 1st, 1947, 17 males and 19 females were under treatment, and during the year 17 males and 17 females came under treatment for the first time. The number of cases which ceased to attend before the completion of treatment was 13 males and 11 females. Four males were transferred to other centres for treatment.

The number of cases remaining under treatment on the 31st December, 1947, was 16 males and 15 females.

The number of attendances—

(*a*) For individual attention of the Medical Officer was 1,220 males and 621 females.

(*b*) For intermediate treatment, *e.g.*, irrigation, was 186 males and 60 females.

(*c*) The number of cases of congenital syphilis was one female

A number attending the Clinic were from Glamorgan, Monmouthshire and Breconshire.

Attendances at V.D. Clinic 1927—1947.

Year.	*Males.*	*Females.*	*Total.*
1927	3862	776	4638
1928	3915	1651	5566
1929	4424	1843	6267
1930	4109	1648	5757
1931	3653	1685	5338
1932	4219	1620	5839
1933	4361	1905	6266
1934	6120	1458	7578
1935	6887	1928	8815
1936	5981	1697	7678
1937	6564	1689	8253
1938	6018	1321	7339
1939	5802	995	6797
1940	4129	1070	5199
1941	2346	1459	3805
1942	2234	1851	4085
1943	1946	1699	3645
1944	2744	1110	3844
1945	2446	1430	3876
1946	2809	969	3778
1947	1406	681	2087

REGULATION 33B.

Regulation 33B, in my view, has justified its existence because we are able to compel a few severe cases to come for treatment. The information, however, contained with reference to the contacts is sometimes so vague that it is quite impossible to trace them, *e.g.*, descriptions such as "Brunette, 5-ft. 2-ins. frequenting *so and so* place."

REGULATION 33B.

County Borough of Merthyr Tydfil.

Contacts notified to the Medical Officer of Health during the period 1st January, 1947—31st December, 1947 :—

		M.	F.
(1)	(*a*) Total number of contacts in respect of whom Form 1 was received	—	2
	(*b*) Number in (*a*) transferred from other areas	—	—
(2)	Number of cases in (1) in which attempts were made during the current period outside the scope of the Regulation to persuade the contact to be examined before the latter had been named on a second Form 1 :—		
	Contacts found	—	2
	Contacts examined or already under treatment	—	1
(3)	(*a*) Number of those in (1) in respect of whom two or more Forms 1 were received ...	—	—
	(*b*) Number included in (3) (*a*) in respect of whom the first Form 1 was previously reported under (1)	—	—
	(*c*) Number included in (3) (*a*) transferred from other areas	—	—

REGULATION 33B—*Continued.*

(4)	Number of those in (3) (*a*) who were :—		
	(*a*) found	—	—
	(*b*) examined after persuasion or already under treatment	—	—
	(*c*) served with Form 2	—	—
	(*d*) examined after service of Form 2	—	—
	(*e*) prosecuted for failure :—		
	(i) to attend for, and submit to medical examination ...	—	—
	(ii) to submit to and continue treatment	—	—
	(*f*) transferred to other areas ...	—	—

ERYSIPELAS.

Number of Notifications received during the year ...	1
Number of Deaths	Nil

The total number of notifications of persons suffering from Erysipelas received during the year 1946 was 1, as compared with 5 in the previous year.

CHICKEN-POX.

Chicken-pox was not notifiable during the year, and we have no knowledge of the number of cases that occurred.

BRONCHITIS.

Number of Deaths	78
Bronchitis Mortality Rate	8.2

Fifty-five of the deaths occurred amongst persons aged 65 years and over. Of these 33 were males 22 and were females.

Public Assistance Administration.

The Medical Officer of Health attends all Public Assistance Committees and all the Institution Committees, and is responsible for advising the Council on all matters in relation to the public health.

There is a full-time District Medical Officer for the Dowlais and Penydarren area, but in all other areas of the Borough part-time District Medical Officers are employed.

As I have stated, this is an ordinary Report, and the details of the number of cases attended by the various doctors are not being published in this Report.

There are eight part-time consultants on the staff—Professor Strachan, Dr. Robert Owen, Mr. A. O. Parker, Dr. Ivor Davies, Mr. Berry Haycraft, Dr. Arthur G. Watkins, Dr. Rupert Parry and Mr. D. Ioan-Jones.

As stated in previous Annual Reports, considerable use has been made of in-patient treatment for expectant mothers. The services of an obstetric consultant have been used freely by the Public Assistance Committee and the Maternity and Child Welfare Committee.

Appended are the classifications of in-patients who were discharged from or who died in the Institution during the year, and a classification of the accommodation for the sick and the number of beds occupied on 31st December, 1947. These tables apply only to the "hospital" side of the Institution :—

IN-PATIENTS.

STATISTICS AS AT QUARTER ENDING DECEMBER 31, 1947

1.	Total number of admissions (including born in Hospital)	454
2.	Total number of deaths	72
3.	Total number of discharges (including born in Hospital)	476
4.	Duration and stay of patients included in 2 and 3 above :—	
	(*a*) Under four weeks	410
	(*b*) Four weeks and under thirteen weeks ...	94
	(*c*) Thirteen weeks or more	44
5.	Number of surgical operations under general anæsthetic (excluding dental operations)	63

See also subjoined Classification Table) pages 39-40).

MENTAL DEFICIENCY ACTS, 1913-1927.

1. During the year 1947 one petition was presented for order under the Mental Deficiency Acts.

2. One case was placed under guardianship, and no case discharged from guardianship.

3. Summary of Defectives Remaining Under Care.—The following is a summary of mental defectives remaining under care, for whom the Local Authority is responsible :—

		Male	*Female*	*Total*
In Institutions	Under 16 yrs.	3	0	3
	Aged 16 years and over ...	2	2	4

TYDFIL LODGE.

CLASSIFICATION OF THE SICK AND THE NUMBER OF BEDS OCCUPIED ON 27TH DECEMBER, 1947.

Classification of Wards	Number of Wards	BEDS							
		Men		Women		Children		TOTALS	
		Provided	Occupied	Provided	Occupied	Provided	Occupied	Provided	Occupied
Medical	8	67	50	67	41	—	—	134	91
Surgical	4	18	12	14	14	—	—	32	26
Chronic Sick	8	64	64	61	61	—	—	125	125
Children	2	—	—	—	—	62	32	62	32
Venereal Diseases	—	—	—	—	—	—	—	—	—
Tuberculosis...	2	4	—	2	2	—	—	6	2
Maternity	2	—	—	12	12	—	—	12	12
Mental Disease	2	4	—	6	6	—	—	16	6
Isolation	4	2	—	2	2	—	—	4	2
TOTALS	32	159	126	164	138	62	32	385	296

BEDS PROVIDED—Males 159 ; Females 167 ; Children 62.
OCCUPIED—Males 120 ; Females 125 ; Children 48.

TOTAL PROVIDED—385 Beds ; 337 Ordinary Beds.
OCCUPIED—343 Beds ; 337 Ordinary Beds.

The six additional cases were housed in extra beds put up temporarily.

General Provision of Health Services in the Borough.

THE MARDY ISOLATION HOSPITAL.

Cases are admitted for infectious diseases from the County Borough of Merthyr Tydfil, Aberdare Urban District Council and from the Borough of Brecon :

GENERAL :

On 1st January, 1947 a total of 56 patients remained in hospital, namely :—

Scarlet Fever	3
Diphtheria	19
Tuberculosis	30
Enteric	1
Polio.	1
C.S.M. Observations	1
Observa'ions	1
	56

During the year, 228 patients were admitted. This total was made up of the following :—

Diphtheria	58
Scarlet Fever	45
Tuberculosis	47
C. S. M.	9
Enteric Fever	3
Poliomyelitis	12
Poliomyelitis (Observation Cases) ...	13
Observation	12
Whooping Cough	3
Measles	26
	228

BOROUGH CASES.

Details of the cases admitted to the Mardy Isolation Hospital from within the County Borough area are as follows :—

GENERAL :

On 1st January, 1947, 20 patients remained in hospital, viz. :—

Diphtheria	17
Scarlet Fever	2
Observation Cases	1

During the year, 103 patients were admitted, consisting of :—

Diphtheria	50
Scarlet Fever	25
C. S. M.	7
Poliomyelitis	4
Poliomyelitis (Observation Cases) ...	8
Observation	9
	103

SCARLET FEVER :

Twenty-five cases were admitted and twenty-five discharged during the year. There were no deaths. The cases were admitted from homes where there were expectant mothers or where there were a large number of school-children contacts, causing a great loss of school time through exclusion.

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	2
Number of patients admitted during 1947 and still in hospital on 1st January, 1948	2

DIPHTHERIA :

Fifty cases were admitted and fifty-eight were discharged during the year. There were no deaths. No positive cases were kept in for a period of less than five weeks, and severe cases were detained for periods up to three months.

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	17
Number of patients admitted during 1947 and remaining in hospital on 1st January, 1948 ...	9

C. S. M. :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	Nil
Number of patients admitted during 1947 ...	7
Number of deaths during 1947	2
Number of patients discharged during 1947 ...	5
Number of patients transferred to other hospitals	Nil

VARIOUS :

In addition to the above cases, the following were treated at the hospital during the year :—

Poliomyelitis	4
Poliomyelitis (Observation Cases) ...	8
Observation Cases	9
Whooping Cough	2
Measles	15
Enteric Fever	2
	40

Thirty of the above forty cases were discharged after treatment.

OUTSIDE AREAS.

The following are particulars of cases sent into the Mardy Isolation Hospital by Authorities other than the County Borough of Merthyr Tydfil :—

ABERDARE.

GENERAL :

On the 1st January, 1947, five patients admitted during 1946 remained in hospital, this total being made up of the following :—

Diphtheria	2
Scarlet Fever	1
Enteric Fever	1
Poliomyelitis	1

During the year, 28 patients were admitted, viz. :—

Scarlet Fever	12
Diphtheria	6
C. S. M.	1
Poliomyelitis	4
Poliomyelitis (Observation Cases) ...	2
Enteric Fever	1
Whooping Cough	1
Measles	1
	28

SCARLET FEVER :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	1
Number of patients admitted during 1947 ...	12
Number of patients discharged during 1947 ...	13
Number of deaths during 1947	Nil
Number of patients admitted during 1947 and remaining in hospital on 1st January, 1948 ...	Nil

DIPHTHERIA :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	2
Number of patients admitted during 1947 ...	6
Number of patients discharged during 1947 ...	8
Number of deaths during 1947	Nil
Number of patients admitted during 1947 and remaining in hospital on 1st January, 1948 ...	Nil

C. S. M. :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	Nil
Number of patients admitted during 1947 ...	1
Number of patients discharged during 1947 ...	1
Number of deaths during 1947	Nil
Number of patients admitted during 1947 and remaining in hospital on 1st January, 1948 ...	Nil

VARIOUS :

In addition to the above cases, the following nine cases were admitted from Aberdare :—

Enteric Fever	1
Whooping Cough	1
Poliomyelitis	4
Poliomyelitis (Observation Cases)	2
Measles	1

BRECON.

GENERAL :

On 1st January, 1947, one C.S.M. patient admitted during1946 remained in Hospital. During the year, 28 patients were admitted :

Diphtheria	2
Scarlet Fever	7
Poliomyelitis	2
Poliomyelitis (Observation)	3
C.S.M.	1
Measles	10
Observation	3
	28

SCARLET FEVER :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	Nil
Number of patients admitted during 1947 ...	7
Number of patients discharged during 1947 ...	6
Number of deaths during 1947	Nil
Number of patients admitted during 1947 and remaining in hospital on 1st January, 1948 ...	1

DIPHTHERIA :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	Nil
Number of patients admitted during 1947 ...	2
Number of patients discharged during 1947 ...	2
Number of deaths during 1947	Nil
Number of patients admitted during 1947 and re-remaining in hospital on 1st January, 1948 ...	Nil

C. S. M. :

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	1
Number of patients admitted during 1947 ...	1
Number of patients discharged during 1947 ...	2
Number of deaths during 1947	Nil
Number of patients admitted during 1947 and remaining in hospital on 1st January, 1948 ...	Nil

PULMONARY TUBERCULOSIS :

An arrangement exists with the Welsh National Memorial Association whereby Tuberculosis cases are admitted to the Mardy Isolation Hospital from various parts of South Wales. In view of this, the areas from which Outside-Borough cases are admitted are not specified, it only being possible to differentiate between Borough and Outside Borough cases.

PULMONARY TUBERCULOSIS (*Continued*):

Number of patients admitted during 1946 and still in hospital on 1st January, 1947	38
Number of patients admitted during 1947 ...	96
Number of patients discharged during 1947 ...	74
Number of deaths during 1947	13
Number of patients admitted during 1947 and still in hospital on 1st January, 1948	47

An Analysis of admissions during 1947 :—

	Male.	*Female.*
Borough Cases	3	2
Outside-Borough Cases	24	18
TOTALS	27	20

OTHER HOSPITALS IN THE BOROUGH.

THE GENERAL HOSPITAL.

This Hospital has 115 beds, and includes a children's ward. An addition to the Hospital has been opened, and comprises room for eye and ear, nose and throat departments, an X-Ray department, and a children's ward.

TYDFIL LODGE (FORMERLY THE UNION INFIRMARY).

The accommodation for the sick is 331 beds, and includes hospital accommodation for the Borough and the parts of the Counties of Glamorgan and Brecon that were formerly comprised in the Merthyr Union.

PONTSARN SANATORIUM.

The Pontsarn Sanatorium is the property of the Welsh National Memorial Association, and has 38 beds for tuberculosis patients.

TUBERCULOSIS INSTITUTE.

This building is the property of the Welsh National Memorial Association, and is now situated in Courtland Terrace, Merthyr Tydfil. For details of treatment during 1946 see under "Dispensary" (page 30).

GWAUNFARREN HOUSE MATERNITY HOME.

Number of patients admitted during 1947		375
Number of births during 1947		365
Number of live births	358	365
Number of still births	7	
Number of babies died during the first week of life ...		4
Number of premature births		15
Number of babies born weighing under 5½lbs. at birth ...		16

AMBULANCE FACILITIES.

The Council possess two motor ambulances for the transport of infectious cases, and also one for accidents, etc. The Public Assistance Committee possess two motor ambulances, as do also several of the colliery companies.

PROFESSIONAL NURSING IN THE HOME.

(a) General. The Queen's Nursing Association are responsible for all the professional nursing in the homes throughout the Borough. The organisation seems to be working satisfactorily.

(b) Infectious Diseases. The Health Visitors visit cases of measles, whooping-cough, puerperal fever, epidemic diarrhoea, and opthalmic neonatorum at their own homes. The Welsh National Memorial Association provides one nurse for out-patients suffering from tubercolosis.

VACCINATION.

Registration Sub-Districts	*No. of Births*	*Successfully vaccinated*	*Insusceptible*	*Had Small Pox*	*No. of conscientious objection declarations*	*Died Unvaccinated*	*Postponement by Medical Certificate*	*Removal to Districts duly apprised*	*Removal to places unknown*	*No. of these Births Jan. 31st 1947, neither entered nor temporarily accounted for*	*Total No. of Certificates and copies of successful primary vaccination of children under 14 during Calendar Year 1947*	*No. of Statutory Declarations of conscientious objection actually received by the Vaccination Officer during Calendar Year 1947*
1. Merthyr Tydfil Upper ...	1081	89	—	—	275	46	—	223	448	—	1 6	250
2. Merthyr Tydfil Lower ...	317	61	—	—	101	18	—	1	136	—	49	70
TOTAL ...	1398	150	—	—	376	64	—	224	584	—	185	320

Laboratory Investigations, 1947.

WATER ANALYSIS.

During the year, ten samples of water were taken for bacte iological examination, and four for chemical analysis. The following are the result of these examinations :

1. RAW WATER :

(*a*) *Sub-Soil Water, Nantddu Terrace, Edwardsville.* Bacteriological—Total Organisms are numerous, but quantative results are fairly satisfactory.
Chemical—A fairly soft neutral water. The Chemical Analysis shows no evidence of recent organic contamination

(*b*) *Spring, Bryngwyn, Heolgerrig.* Bacteriological—Of moderate purity.

(*c*) *Spring, rear of Gelliddu Farm, Merthyr.* Bacteriological—Contaminated.

(*d*) *Spring, front of Gelliddu Farm, Merthyr.* Bacteriological—Contaminated.

(*e*) *Spring, Quarry House, Cefn Coed.* Bacteriological—Unsatisfactory. Chemical—A fairly soft neutral water. chemical analysis shows no recent evidence of organic contamination.

(*f*) *Ffynnon Pistyll, Cefn Coed.* Chemical—A faintly alkaline water of medium hardness containing a fair amount of dissolved iron and manganese. Chemical analysis indicates the sample to be of moderate organic quality but the physical characteristics are rather unsatisfactory owing to the presence and subsequent oxidisation of the dissolved iron and manganese causing discolouration, turb-dity and settlement.

2. FILTERED WATER :

(*a*) *Tap, Reservoir House, Treharris.* Bacteriological—Satisfactory. Chemical—A soft neutral water. The chemical and physical characters are satisfactory.

(*b*) *Tap, 20 Mount Pleasant, Merthyr Vale.* Bacteriological—Fairly satisfactory.

(*c*) *Tap, Clinic, Glebeland Street, Merthyr.* Bacteriological—satisfactory.

(*d*) *Tap, 22a Brynseion Street, Dowlais.* ditto.

(*e*) *Tap, 9 Lewis Street, Dowlais.* ditto.

In the County Borough Area, there are 16,622 houses with an estimated population of 60,180. All these houses—with the exceptition of 51 high-lying isolated dwellings, are supplied with water from the public mains. There are no stand pipes in the County Borough.

BACTERIOLOGICAL & CHEMICAL INVESTIGATIONS.

The total number of specimens submitted for the year 1947 were as follows :—

Examinations of pathological specimens ...	299
Examinations of milk	146
Examination of Ice Cream	30

LABORATORY WORK.

Mr. Rhys Charles acts as Public Analyst for the Borough.

Dr. G. J. G. King, of Cardiff, however, is pathologist under the Venereal Diseases Scheme, and during the year the following examinations were carried out :—

FOR DETECTION OF GONOCOCCI :	
For Treatment Centre	39
For Practitioners	13
For Hospitals and other Institutions ...	Nil
FOR WASSERMANN REACTION :	
For Treatment Centre	121
For Practitioners	43
For Hospitals and other Institutions ...	Nil
FOR GONOCOCCAL INFECTION :	
For Treatment Centre	27
For Practitioners	5
For Hospitals and other Institutions ...	Nil

Several practitioners made applications for supplies of Neokharsivan during the year.

Inspection & Supervision of Foodstuffs

MILK SUPPLY.

On December 31st, 1947, the names on the register included 58 retail purveyors of milk, 48 cow-keepers and 21 wholesale purveyors of milk.

MILK LICENSES.

The following licenses were issued during the year :—

Form A.—Producers' License, authorising the use of the special designation, "Tuberculin Tested" in respect of a farm at which the milk is or is not bottled ...	1
Form A1.—Producer's License authorising the use of the special designation "Accredited" in respect of a farm at which the milk is or is not bottled ...	1
Form B.—Dealer's License authorising the use of the special designation, "Pasteurised" milk	4
Form B.—Dealer's License authorising the use of the special designation "Tuberculin Tested Milk (Pasteurised)"	1
Form C.—Pasteuriser's Licenses authorising the use of the special designation, "Pasteurised."	2

INSPECTION OF DAIRIES AND COWSHEDS :—

During the year the Sanitary Inspectors paid 534 visits of i spection to the dairies and cowsheds, and 61 notices were served under The Milk and Dairies Order 1926 and other Regulations in respect of dairies, cowsheds and milk-shops. The condition of the cowsheds is now satisfactory, but needs constant vigilance. A dairy is provided in conjuncion with every cowshed.

Out of a total of one hundred and seventy-seven samples of milk examined by the Public Analyst during 1947, seventy-five were found to be dirty, and sixty-eight slightly dirty. Necessary warnings were given regarding dirty milk and advice offered. concerning methods of preventing contamination of milk suppies, thus avoiding recurrence. I regret to say that much of the contaminated milk is derived from adjoining farms outside the area.

SLAUGHTER-HOUSE AND MEAT INSPECTION.

One thousand, three hundred and thirteen visits were made for the purpose of meat inspection by the Sanitary Inspectors, who all possess the Certificate of the Royal Sanitary Institute for the inspection of meat and other foods.

Slaughtering since April, 1940, has been carried on at the Star Slaughter-House.

SLAUGHTER OF ANIMALS ACT, 1933.

Twenty-five slaughter-men were given licenses during the year, and the provisions of the above Act regarding the humane and scientific slaughter of animals, including sheep and lambs, were carried out.

NUMBER OF ANIMALS SLAUGHTERED :

Cattle: 1,706 ; Sheep, 14,373 ; Pigs, 225 ; Calves, 1416.

MEAT CONDEMNED :

Beef, 34,588-lbs. ; Pork, 190-lbs. ; Beef Offal, 22,267-lbs. ; Pig Offal, 186-lbs. ; Mutton, 1138,-lbs. ; Veal 337-lbs. ; Sheep Offal, 11.978-lbs ; Veal Offal, 51-lbs.

IMPORTED MEAT CONDEMNED :

Beef, 14,042-lbs. ; Mutton, 21-lbs. ; Bacon and Ham, 126½-lbs.

FOODS INSPECTION.

During the year 1947, the following foods were found to be unfit for human consumption and surrendered either for destruction or return to the Salvage Depôt :—

TINNED FOODS :

Corned Beef, 318 tins ; Stewed Steak, 100 tins ; Fruit Salad, 68 tins ; Damsons, 7 tins ; Salmon, 264 tins ; Full Cream Milk, 795 tins ; Peas, 215 tins ; Boneless Chicken, 10 tins ; Plums, 24 tins ; Evaporated Milk, 1641 tins ; Luncheon Meat, 60 tins ; Bacon, 28 tins ; Potatoes, 13 tins ; Meat and Veg., 51 tins ; Beans, 258 tins ; Pears, 10 tins; Beetroot, 45 tins; Soup, 22 tins ; Pilchards, 113 tins ; Apricots, 56 tins ; Sausage Meat, 29 tins ; Peaches, 104 tins ; Puddings, 22 tins ; Carrots,

31 tins ; Mackerel, 7 tins ; Steak and Kidney Pudding, 16 tins ; Tomatoes, 90 tins ; Sardines, 38 tins ; Sheep's Tongues 7 tins ; Brisket Beef, 2 tins ; Beef Loaf, 109 tins ; Syrup, 14 tins ; Sausage, 19 tins ; Corned Mutton, 96 tins ; Swedes, 5 tins ; Herrings, 10 tins ; Ox Tongue, 4 tins ; Casserole, 1 tin ; Spaghetti, 8 tins ; Hake, 13 tins ; Mixed Veg., 4 tins ; Crawfish, 5 tins ; Rhubarb, 4 tins ; Brisket Beef, 1 tin ; Irish Stew, 9 tins ; Macedonias, 2 tins ; Pineapples, 83 tins ; Haricot Beans, 3 rins ; Roast Beef, 33 tins ; Mushrooms, 4 tins ; Milk Powder, 2 tins ; Groats, 1 tin ; Tomato Juice, 19 tins ; Orange Juice, 2 tins ; Whiting, 3 tins ; Grapefruit, 14 tins.

Potted Foods :

Pate de foie, 5 pots ; Marmalade, 13 jars ; Lemon Cheese, 16 jars ; Fish Paste, 45 pots ; Pickles, 178 jars ; Jam—various, 157 jars ; Cherries, 1 pot ; Horse Radish Cream, 66 pots ; Salad Cream, 1 jar.

Packed Foods :

Pearl Barley, 20 pkts. ; Powdered Soup, 3 pkts. ; Cod Liver Oil, 2 pkts. ; Wheat Flakes, 1 pkt.

Dried Fruits :

Dried Apricots, 100 lbs. ; Prunes, 19 lbs. ; Dried Peaches, 509 lbs. ; Dried Mixed Fruit, 16 lbs.

Fruit and Vegetables :

Potatoes, 448 lbs. ; Peas, 56 lbs. ; Figs, 24 lbs. ; Apples, 60 lbs. ; Cabbages, 2 bags ; Wimberries, 476 lbs. ; Cherries, 1534 lbs. ; Tomatoes, 6314 lbs. ; Raspberries, 160 lbs. ; Fruit-various, 42 lbs.

Meat, Fish and Game :

Imported Beef, 14042 lbs. ; Bacon, 126½ lbs. ; Fish—various, 302 lbs. ; Rabbits, 118 carcases ; Pork, 45 lbs. ; Brisket Beef, 9¾ lbs. ; Kippers, 572 lbs. ; Herrings, 630 lbs. ; Ox Tongue, 18 lbs. ; Cod, 115 lbs. ; Crab, 224 lbs. ; Mackerel, 1841 lbs. ; Shrimp, 20 lbs. ; Bloaters, 374 lbs. ; Haddock, 28 lbs. ; Chickens, 3 carcases ; Imported Lamb, 21 lbs.

Other Miscellaneous Foods :

Margarine, 19½ lbs. ; Tea, 4½ lbs. ; Cheese, 11½ lbs. ; Pear Barley, 82 lbs. ; Barley Flakes, 58 lbs. ; Sugar, 12 lbs. ; Flour 149 lbs. ; Frozen Whole Eggs, 176 lbs. ; Spaghetti, 7 lbs., Sweets, 45 lbs ; Milk Powder ;40 lbs. ; Butter, 192 lbs. Vermicelli, 8 lbs.

PUBLIC HEALTH (MEAT) REGULATIONS, 1924.

The regulations generally have been satisfactorily carried out during the year. The handling and transport of meat is observed in accordance with the above regulations, and the hawkers' carts are protected in such a manner as to prevent contamination of the meat.

Notice of emergency slaughter continues to be given where necessary. The slaughter of pigs, etc., for home consumption, is carried out at the cottager's premises, prior notice being given in each case as to the place and time of slaughter.

All meat-carriers in the Borough are provided with and wear washable head-covering and overalls when carrying meat.

NUMBER KILLED:

Bulls and Steers.	Cows and Heifers.	Calves.	Sheep and Lambs.	Pigs.
379	1,327	1,146	14,373	225

NUMBER INSPECTED:

Bulls and Steers.	Cows and Heifers.	Calves.	Sheep and Lambs.	Pigs.	Total Inspected
379	1,327	1,146	14,373	225	17,450

ALL DISEASES EXCEPT TUBERCULOSIS:

Whole carcases condemned—

Bulls and Steers.	Cows and Heifers.	Calves.	Sheep and Lambs.	Pigs.
1	3	8	35	—

Carcase of which some part or organ was condemned—

Bulls and Steers.	Cows and Heifers.	Calves.	Sheep and Lambs.	Pigs.
198	572	11	2,897	3

PERCENTAGE *of the number inspected affected with disease other than tuberculosis*—21.03.

TUBERCULOSIS ONLY:

Whole carcases condemned—

Bulls and Steers.	Cows and Heifers.	Calves.	Sheep and Lambs.	Pigs.
7	30	—	—	—

Carcases of which some part or organ was condemned—

Bulls and Steers.	Cows and Heifers.	Calves.	Sheep and Lambs.	Pigs.
84	212	—	—	8

PERCENTAGE *of the number inspected affected with tuberculosis*—1.95

INSPECTION OF PLACES WHERE FOOD IS PREPARED.

RESTAURANT KITCHENS. Including licensed premises where food is prepared, there are 79 in the Borough, of which 13 are factory canteens, 31 school canteens and 3 colliery canteens.

FISH-FRYING AND CHIP POTATO SHOPS. There are 37 in the Borough, and these are regularly visited by the Sanitary Inspectors, who report favourably as to their conditions and absence of nuisance.

BAKEHOUSES. Fifty-four premises were in use during the year, including one certified underground bakehouse. Four hundred and four visits were made during the year; 49 notices of repairs and lime-washing, etc., were served. The condition generally were satisfactory.

BUTCHERS. Small goods, including brawn, polonies, pies, faggots, etc., were prepared at 36 butchers' establishments and one cottage. At the butchers' establishments the work is carried out in a special room, and electric power is available. In the cottage small business is done. All the premises are regularly visited by the Inspectors, and the conditions found to be satisfactory.

FOOD AND DRUGS ACT, 1938.

The following particulars relate to Formal and Informal Samples of various foods submitted to the Public Analyst for the County Borough of Merthyr Tydfil, R. Pendrill Charles, Esq., M.D., F.R.I.C

FORMAL SAMPLES :

During the year 1947, 177 formal samples of milk were taken for analysis. All these samples with the exception of ten, were found to be genuine. The ten samples which were not genuine, were found to be :

3 samples 2% deficient in fat.
1 samples 2.3% deficient in fat.
1 sample 1.6% deficient in fat.
4 samples contained 2% extraneous water.
1 sample contained 2.5% extraneous water.

The milk samples were also examined for the presence of dirt, and the following is the summary of the results :

Dirty	75
Slightly Dirty	68
Clean	34
TOTAL	177

INFORMAL SAMPLES :

The following are particulars of the Informal Samples taken during the year :

	Taken.	*Genuine.*
Baking Powder	4 ...	4
Barley Flakes	5 ...	1
Bun Mixture	1 ...	1
Beef and Tomato Paste	1 ...	1
Cinnamon	2 ...	2
Custard Powder	1 ...	1
Cake Flour	1 ...	1
Chocolate Malt Spread	1 ...	1
Cake Mixture	3 ...	3
Coffee	2 ...	2
Cocoa...	1 ...	1
Curry Powder	1 ...	1

	Taken	*Genuine.*
Dessert Chocolate Flavour	1	1
Flour	3	3
Flavouring Essence	2	2
Fish Paste	4	4
Ground Ginger	1	1
Gravy Browning	1	1
Ginger	1	1
Gelatine	2	2
Junket Powder	3	3
Jelly Crystals	1	1
Lemonade Powder	1	1
Mustard	2	2
Macaroni	4	4
Meat Soup	1	1
Mixtd Spice	2	2
Pearl Barley	1	—
Parsley and Thyme	1	1
Pudding Mixture	4	2
Peas	4	4
Pickling Spice	1	1
Royal Dessert	1	1
Rolled Oats	1	1
Self Raising Flour	2	2
Sun Flour	2	2
Swiss Roll	1	1
Sandwich Spread	1	1
Semolina	4	4
Semolina Mixture	1	1
Sponge Mixture	5	5
Tea	6	6
Tin Grease	1	1
Vermicelli	1	1
Vanilla Essence	1	1
White Pepper	1	1
TOTALS	91	84

Seven of the above informal samples were found to be as follows

3 samples Barley Flakes—Infested with active meal mites, their ova and dead meal mites.

1 sample Barley Flakes—Infested with dead meal mites.

1 sample Pearl Barley—Heavily infested with active meal mites, their ova and dead meal mites.

1 sample Pudding Mixture— do.

1 sample Pudding Mixture—Infested with dead meal mites.

CLOSET ACCOMMODATION.

Eighty-four notices to repair or replace cisterns in w.c.'s and 53 notices to replace long hopper pans, have been served. In addition, 486 notices were served to repair dilapidated, defective and choked drains.

Refuse Collection.

TOWN AREA.

Collection of Refuse takes place on alternate days.

The refuse from the Town area is deposited at the Wern Field, Llwyncelyn.

DOWLAIS AREA.

The refuse of the district is disposed of at :—

(1) Gellifaelog Cwm.

(2) Caeracca.

(3) Blaen Dowlais (in small quantities).

PARK AND PENYDARREN AREAS.

Refuse Collection. Collection of refuse takes place on alternate days.

Refuse Disposal. The refuse from the lower part of the district, viz., Bethesda Street, Morgantown, and streets on the

left of Brecon Road which are in Cyfarthfa Ward, and all refuse from Park and the lower end of Penydarren is deposited at the Wern Field, Llwyncelyn.

The refuse from the upper portion of the district (Penydarren Ward) is deposited in the old brewery hollow at Gellifaelog.

LOWER VALLEY AREAS.

Collection of Refuse takes place on alternate days.

Refuse Disposal—

Abercanaid and Pentrebach.—Refuse from these districts is deposited on site near Glynderris Farm.

Troedyrhiw, Merthyr Vale and Aberfan.—Refuse collected in these districts is deposited on the south side of the Sewage Farm, near The Grove.

Treharris, Quakers' Yard and Abercynon—Refuse collected in these districts is deposited west of Cardiff Road, near Pontygwaith, near river, south side of Woodlands, Quakers' Yard and north side of Goitrecoedfawr Farm, Abercynon.

Trade Refuse is collected, the usual charge being made by the Corporation.

COMMON LODGING HOUSES.

There are 9 common lodging-houses in the Borough, and 98 visits of inspection were made by the Inspectors. Eight notices were served during the year to abate nuisances or remedy defects. The conditions generally may be said to be satisfactory ; and, as reported previously, the accommodation is considerably in excess of the demand.

HOUSES LET IN LODGINGS.

Forty-eight remain on the Register. Two hundred and twenty nine visits of inspection were made by the Sanitary Inspectors' and 40 notices were served to abate nuisances or remedy defects.

OFFENSIVE TRADES.

There are now 5 premises where offensive trades are carried on : gut-scrapers, 2 ; fellmongers, 1 ; knackers, 1 ; fat-rendering, 1. No complaints regarding these premises were received during the year.

SCHOOLS.

The sanitary condition has been reported on in the School Medical Report to the Board of Education. The action taken in relation to the health of the scholars and for preventing the spread of infectious diseases is in conformity with the Memorandum on the Closure and Exclusion from School, 1925, issued conjointly by the Ministry of Health and the Board of Education, and revised in 1943.

RATS AND MICE DESTRUCTION ACT, 1919.

17 men were employed from 1st January to 12th July (16 men employed in connection with N.S. 12 Special Scheme). 2 men employed from 13th July.

RATS.

TOTAL NUMBER OF :	
Business Premises Treated	223
Dwelling Houses	1214
Corporation Properties (includes Schools, School Canteens, Baths, Allotments, Parks, Hospitals, General Stores and Areas, Salvage Stores, Stables, Garages, Culverts, Waste Land, Old Ruins (Houses and works) Streams River Banks, Brooks, Old Feeders and Refuse Tips	303
TOTAL	1740
Estimated Kill (Ministry Form)	132322
Bodies Recovered	5461
Pre-Baits	90092
Poison Baits	22523
Details of Infestations Found :	
Reservoir	321
Major	715
Minor	704
TOTAL	1740
Details of "Takes" of PoisonedBait at each of the Above Premises :	
Good Takts	430
Small Takes	1310
TOTAL	1740

MICE.

Business Premises Treated	56
Dwelling Houses Treated	1874
Corporation Properties Treated	4
TOTAL	1935
Bodies Recovered	3633
Pre-Baits	29712
Poison Baits	7428

TREATMENT OF SEWERS.

All manholes in the sewers were dealt with on two occasions and 16 men were employed for this purpose. The first treatment was completed on April 26th ans the 2nd treatment on December 20th, 1947.

FACTORIES ACT, 1937.

There are 88 factories with mechanical power (including bakehouses), and 262 visits of inspection were made.

The number of factories where mechanical power is not used is 102, and the number of visits paid were 431.

SHOPS ACTS, 1912—1938.

In connection with the registration and inspection of shops 930 visits were paid to shops and other business premises during 1947 to check the hours of employment of young persons under the Shops Act, 1934, under the Sunday Trading (Restrictions) Act, 1936, and under the Young Persons Employment Act, 1938.

During the year 1,736 visits were paid to Shops, Warehouses, Cinemas and Billiard Halls, and as a result of 894 visits in connection with Section 10, Shops Act 1934, defects were noted in 50 instances; as a result of the service of informal notices suitable and sufficient means were provided for regulation of temperature, sanitary conveniences, lighting and washing facilities as follows:—

Requirement.	*Number Defective*	*Informal notices served*	*Statutory notices served*
Provision and maintenance of:—			
1. Sanitary Conveniences ...	31	29	3
2. Washing facilities	8	2	Nil
3. Temperature...	2	—	Nil
4. Ventilation	9	4	Nil
5. Facilities for meals... ...	—	—	Nil
Total ...	50	35	3

SANITARY INSPECTIONS OF THE AREA.

Of the Notices served, 617 were Statutory and 1018 Informal.

Nuisances detected—	Districts No. 1	No. 2	No. 3	No. 4	No. 5	Total
1. Dilapidated, defective and choked drains	102	134	102	65	83	486
2. Insufficient w.c. accommodation	8	16	8	16	16	64
3. To open and repair slop drains	76	53	63	57	59	308
4. To provide slop drains ...	1	3	4	4	2	14
5. To drain urinals	—	—	—	2	4	6
6. To provide cisterns in w.c.'s ...	21	15	21	12	14	83
7. To pave backyards	19	12	24	12	8	75
8. To repair stable drains ...	—	—	—	—	—	—
9. To provide manure receptacles	—	—	2	—	—	2
10. To remove foul accumulations	29	26	39	28	32	154
11. To repair dilapidated dwellings	43	50	52	43	38	226
12. To cleanse dwelling-houses ...	25	21	31	12	19	108
13. To provide rainwater troughing	78	98	81	77	85	419
14. To prevent escape of sewer gas into houses	11	10	14	6	17	58
15. To ventilate drains	3	5	2	4	8	22
16. To remove fowls, animals, &c.	4	2	3	7	3	19
17. To prevent overcrowding ...	—	—	—	—	—	—
18. Under Slaughterhouse Byelaws	—	—	—	—	—	—
19. Under Factory Act	16	16	10	11	16	69
20. Under Dairies and Cowsheds Regulations	8	17	12	13	12	62
21. To provide a separate water supply	—	—	—	2	1	3
22. To prevent pollution of brook	—	3	14	—	—	17
23. Common Lodging-houses ...	6	—	—	1	—	7

SANITARY INSPECTIONS—*continued.*

Nuisances detected—	Districts No. 1	No. 2	No. 3	No. 4	No. 5	Total
24. Houses let in lodgings ...	9	—	4	14	13	40
25. To repair defective roofs causing dampness	137	150	121	117	142	667
26. To remove long hopper pans...	6	4	10	12	10	42
27. To provide sinks in houses ...	—	—	—	1	—	1
28. To connect drainage cesspit to sewer	—	—	—	—		—
29. To cleanse cesspit	—	8	—	—	4	12
30. To close stable as insanitary...	—	—	—	—	—	—
31. To divide common backyard...	—	—	—	—	—	—
32. To provide proper coalplaces...	7	5	8	6	12	38
33. Other nuisances	45	40	49	85	89	308

INSPECTIONS MADE DURING THE YEAR:

House-to-house	299	326	327	351	343	1646
Infectious diseases investigation	98	43	87	45	43	316
Infectious diseases re-visited ...	102	47	88	50	46	333
Slaughter-houses	437	414	400	—	62	1313
Cowsheds and Dairies	125	282	91	93	96	687
Common Lodging-houses ...	77	—	—	27	—	104
Houses let in lodgings	77	—	43	70	45	235
Non-Mechanical Factories ...	98	95	79	87	72	431
Mechanical Factories	59	54	43	53	53	262
Complaints received	111	86	160	142	120	619

RESULTS OF THE ABOVE INSPECTIONS:

Nuisances detected	654	688	674	607	687	3310
Notices issued	320	301	341	305	366	1633
Premises disinfected	67	33	53	31	32	216
Clothing disinfected	67	33	53	31	32	216
	ft.	*ft.*	*ft.*	*ft.*	*ft.*	*ft.*
Length of drain tested ...	2511	3025	1928	1852	2940	12256

HOUSING.

	Districts					
	No. 1	No. 2	No. 3	No. 4	No. 5	Total
Number of houses inspected ...	299	326	327	351	343	1646
Defective drains	51	64	54	60	54	283
Choked drains	72	56	72	48	66	314
Unventilated drains	3	5	2	3	8	21
Pans in a filthy condition ...	29	29	15	19	15	107
Absence of, or defective cisterns...	21	22	24	18	25	110
Absence of, or defective sinks...	14	7	7	9	8	45
Insufficient w.c. accommodation	8	16	12	12	12	60
Houses in a filthy condition ...	26	21	16	14	19	96
Houses in bad repair and damp	43	50	52	43	38	226
Broken pavement in yard ...	19	12	16	18	14	79
Animals and fowls in yard ...	4	2	3	7	6	22
Refuse in yard	29	26	24	28	20	127
Other nuisances	58	38	41	42	63	242

HOUSING STATISTICS.

NEW HOUSES.

Number of New Houses erected during the year :—

(*a*) Total, including numbers given separately under (*b*) ...	135
(*b*) With State assistance under the Housing Acts :—	
(i) By the Local Authority	130
(ii) By other bodies or persons	—

1 INSPECTION OF DWELLING HOUSES DURING THE YEAR.

	(1)	(2)	(3)	(4)	(5)	*Total*
(1) (*a*) Total number of dwelling houses inspected (for housing defects under Public Health or Housing Acts)	397	369	414	396	386	1962
(*b*) Number of inspections made for the purpose	568	516	582	561	581	2808
(2) (*a*) Number of dwelling houses (included under sub-head 1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ...	299	326	327	351	343	1646
(*b*) Number of inspections made for the purpose	524	605	524	486	472	2611
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	43	50	52	43	38	226
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	215	248	202	194	227	1086
2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES : Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers	192	144	188	176	186	886
3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :						
A.—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :						
(1) Number of dwelling houses in respect of which notices were served requiring repairs	—	—	—	—	—	—
(2) Number of dwelling houses which were rendered fit after service of formal notices :—						
(*a*) By Owners...	—	—	—	—	—	—
(*b*) By Local Authority in default of Owners	—	—	—	—	—	—

HOUSING STATISTICS—*continued.*

	(1)	(2)	(3)	(4)	(5)	*Total*
B.—Proceedings under the Public Health Acts :—						
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied...	105	124	131	105	152	617
(2) Number of dwelling houses in which defects were remedied after service of formal notices :						
(*a*) By Owners	96	120	117	86	133	552
(*b*) By Local Authority in default of Owners	—	—	—	—	—	—
C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—						
(1) Number of dwelling houses in respect of which Demolition Orders were made	17	4	3	5	—	29
(2) Number of dwelling houses demolished in pursuance of Demolition Orders	7	4	3	2	—	16
D.—Proceedings under Section 12 of the Housing Act, 1936 :—						
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	1	2	—	—	1	4
Premises closed	1	2	—	—	—	3
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	—	—	—	—	—	—
E.—Proceedings under Section 3 of the Housing Act, 1925 :—						
(1) Number of dwelling houses in respect of which notices were served requiring repairs	—	—	—	—	—	—
(2) Number of dwelling houses which were rendered fit after service of formal notices :—						
(*a*) By Owners	—	—	—	—	—	—
(*b*) By Local Authoritie : default of Owners...	—	—	—	—	—	—
(3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by Owners of intentions to close	—	—	—	—	—	—

HOUSING STATISTICS—*continued.*

	(1)	(2)	(3)	(4)	(5)	*Total*
F.—Proceedings under Sections 11, 14 & 15 of the Housing Act, 1925 :—						
(1) Number of dwelling houses in respect of which Closing Orders were made	—	—	—	—	—	—
(2) Number of dwelling houses in respect of which Closing Orders were determined, the dwelling houses having been rendered fit	—	—	—	—	—	—
(3) Number of dwelling houses in respect of which Demolition Orders were made	—	—	—	—	—	—
(4) Number of dwelling houses demolished in pursuance of Demolition Orders	—	—	—	—	—	—
Number of removals of tenants under Slum Clearance Scheme to complete first year's programme ...	—	—	—	—	—	—
From Houses	—	—	—	—	—	—
From Cellars or parts of Houses ...	—	—	—	—	—	—
Furniture and effects disinfected ...	—	—	—	—	—	—

4. NUMBER OF HOUSES OWNED BY THE LOCAL AUTHORITY, DISTINGUISHING THOSE BUILT IN THE LAST THREE YEARS AND HELD UNDER PART 2 OF THE HOUSING ACT, 1925, and (2) OTHER POWERS.

Houses owned by the Local Authority—1408.

By Purchase	7	
Under 1890 Act	347	
Under 1919 Act	236	
Under 1924 Act	226	
Under 1930 Act	108	462
Under 1936 Act	354	

ERADICATION OF BED BUGS.

The following table shows the Inspectors' work regarding the eradication of bed bugs.

(*a*) NUMBER OF COUNCIL HOUSES—	
(i) Found infested	2
(ii) Disinfested	2
(*b*) NUMBER OF OTHER HOUSES—	
(i) Found infested	82
(ii) Disinfested	82

These houses were visited either in normal house-to-house inspections or as the result of complaints from the tenants. The Inspectors report that excellent results have been obtained by cleaning and scrubbing, carried out systematically, with soap and water. In addition, sulphur fumigation, Izal spray and insecticide sprays (containing DDT) were used.

Dental Report for 1947.

The Dental Officer submits the following Report :—

Number of mothers treated at Clinic	288
Fillings	74
Extractions	1044
Local anæsthetics	98
Other operations	71
General anæsthetics	145
Attendances made	230

During the year 1947 thirty-two dentures were supplied to nursing and expectant mothers.

Infant Welfare cases :—

No. of children treated at Clinic	221
General anæsthetics	58
Fillings	34
Extractions	260
Local anæsthetics	24
Other operations	54
Attendances made	229

JAMES A. WYLIE, L.D.S., R.F.P.S,
Dental Officer.

T. H. STEPHENS, M.B., Ch.B., D.P.H.,
Medical Officer of Health.

TABLE I.

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING THE YEAR 1947.

Name of District : MERTHYR TYDFIL.

CAUSES OF DEATH	Sex	All Ages	0–1	1–5	5–15	15–45	45–65	Over 65
ALL CAUSES	M	514	44	9	4	48	130	279
	F	426	30	6	4	47	107	232
1. Typhoid and Paratyphoid Fevers	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
2. Measles	M	1	—	1	—	—	—	—
	F	2	2	—	—	—	—	—
3. Scarlet Fever	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
4. Whooping Cough	M	—	—	—	—	—	—	—
	F	2	1	1	—	—	—	—
5. Diphtheria	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
6. Influenza	M	6	—	—	—	2	2	2
	F	6	—	—	—	1	—	5
7. Encephalitis Lethargica	M	1	—	—	—	1	—	—
	F	—	—	—	—	—	—	—
8. Cerebro-Spinal Fever	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
9. Tuberculosis of Respiratory System ...	M	29	—	1	—	10	14	4
	F	20	—	1	—	13	6	—
10. Other Tuberculous Diseases...	M	1	—	1	—	—	—	—
	F	4	—	—	3	1	—	—
11. Syphilis...	M	1	—	—	—	1	—	—
	F	1	—	—	—	1	—	—
12 General Paralysis of the Insane, Tabes Dorsalis	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
13. Cancer, Malignant Disease	M	62	—	—	—	1	20	41
	F	55	—	—	—	5	22	25
14. Diabetes	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	2
15. Cerebral Hæmorrhage, &c.	M	61	—	—	—	—	16	45
	F	48	—	—	—	3	13	32
16. Heart Disease...	M	123	—	—	—	5	33	85
	F	107	—	—	—	3	25	79
17. Aneurism	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
18. Other Circulatory Diseases	M	10	—	—	—	—	2	8
	F	7	—	—	—	—	3	4
19. Bronchitis	M	50	3	—	—	2	12	33
	F	28	1	—	—	—	5	22
20. Pneumonia (all forms)	M	19	9	—	—	1	4	5
	F	18	9	2	—	2	4	1
21. Other Respiratory Diseases...	M	16	—	—	1	1	7	7
	F	6	—	—	—	3	2	—
22. Peptic Ulcer	M	7	—	—	—	2	3	2
	F	—	—	—	—	—	—	—
23. Diarrhœa	M	7	5	2	—	—	—	—
	F	3	3	—	—	—	—	—
24. Appendicitis	M	2	—	—	—	1	—	1
	F	3	—	—	—	1	2	—
25. Intra-Cranial Vascular Lesions	M	37	—	—	—	1	8	28
	F	57	—	—	—	—	14	43
26. Other Diseases of Liver	M	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—
27. Other Digestive Diseases	M	11	1	1	—	2	4	3
	F	13	1	—	—	2	6	4
28. Acute and Chronic Nephritis	M	10	1	—	—	1	3	2
	F	13	—	—	—	2	5	6
29. Puerperal Sepsis	F	—	—	—	—	—	—	—
30. Other Puerperal Causes	F	3	—	—	—	3	—	—
31. Congenital Debility, Premature Birth, Malformations, &c.	M	24	22	—	1	—	1	—
	F	14	13	1	—	1	—	—
32. Suicide	M	6	—	—	—	2	2	2
	F	4	—	—	—	2	1	1
33. Other Violence	M	21	1	2	1	11	3	3
	F	5	—	1	—	—	3	1
34. Other Causes	M	69	2	—	—	5	12	50
	F	50	—	—	—	6	9	35
35. Road Traffic Accidents	M	2	—	1	1	—	—	—
	F	1	—	—	1	—	—	—
36. All Causes	M	514	44	9	4	48	130	279
	F	426	30	6	4	47	107	232

		Legitimate	Illegitimate
Under 1 year	M	42	2
	F	49	1

TABLE 2. INFANT MORTALITY 1947.

Nett Deaths from stated causes at various Ages under 1 year of age.

CAUSE OF DEATH	Under 1 week	under 1 month	Total under 4 weeks	4 weeks and under 3 mths.	3 months and under 6 mths.	6 months and under 12mths.	Total Deaths under one year
All Causes — Certified	25	9	34	13	15	7	69
All Causes — Uncertified ...	2	—	2	1	2	—	5
Small Pox...	—	—	—	—	—	—	—
Chicken Pox	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—
Whooping Cough...	—	—	—	—	—	—	—
Diphtheria and Croup	—	—	—	—	—	—	—
Heart	5	—	5	5	1	1	12
Tuberculous Meningitis	—	—	—	—	—	—	—
Abdominal Tuberculous (C) ...	—	—	—	—	—	—	—
Other Tuberculous Diseases ...	—	—	—	—	—	—	—
Meningitis (Not Tuberculous) ...	—	—	—	—	—	—	—
Convulsions	—	3	3	—	1	—	4
Spina Bifida	—	1	1	—	—	—	1
Bronchitis	—	1	1	—	2	1	4
Pneumonia (All Forms)... ...	—	1	1	4	9	3	17
Diarrhœa	—	—	—	—	—	—	—
Gastro Enteritis	—	—	—	1	3	2	6
Infantile Jaundice	—	—	—	—	—	—	—
Morbus Cordis	—	—	—	—	—	—	—
Asthenia	—	—	—	—	—	—	—
Marasmus	—	1	1	—	—	—	1
Atelectasis...	1	—	1	—	—	—	1
Congenital Debility	3	—	3	1	—	—	4
Premature Birth	17	2	19	1	—	—	20
Atrophy and Debility	—	—	—	—	—	—	—
Other Causes	1	—	1	2	1	—	4
	27	11	36	14	17	7	74

Nett Births in the year { Legitimate —1143 / Illegitimate— 38 }

Nett Deaths under one year { Legitimate — 71 / Illegitimate— 3 }

TABLE 2a.

INFANT MORTALITY 1947.

Nett Deaths under One Year from Stated Causes—WARD DISTRIBUTION.

CAUSE OF DEATH	Dowlais Ward	P'darren Ward	Park Ward	Cyfarthfa Ward	Town Ward	Plymouth Ward	Merthyr Vale Ward	Treharris Ward	Total
All Causes — Certified	12	8	9	7	11	5	8	9	69
All Causes — Uncertified ...	4	1	—	—	—	—	—	—	5
Small Pox	—	—	—	—	—	—	—	—	—
Chicken Pox	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	—	—	—	—
Asthenia	—	—	—	—	—	—	—	—	—
Heart	4	1	2	—	1	—	—	5	13
Tuberculous Meningitis	—	—	—	—	—	—	—	—	—
Abdominal Tuberculous (C) ...	—	—	—	—	—	—	—	—	—
Other Tuberculous Diseases ...	—	—	—	—	—	—	—	—	—
Meningitis (Not Tuberculous) ...	—	—	—	—	—	—	—	—	—
Convulsions	—	—	—	2	—	2	1	—	5
Spina Bifida	—	—	—	—	1	—	—	—	1
Bronchitis	—	1	—	—	—	—	1	1	3
Pneumonia (All Forms)	6	3	2	—	5	—	1	1	18
Diarrhœa	—	—	—	—	—	—	—	—	—
Gastro Enteritis	—	2	1	—	3	—	—	—	6
Infantile Jaundice	—	—	—	—	—	—	—	—	—
Morbus Cordis	—	—	—	—	—	—	—	—	—
Suffocation	—	—	—	—	—	—	—	—	—
Marasmus	—	—	—	—	1	—	—	—	1
Atelectasis	1	—	—	—	—	—	—	—	1
Congenital Debility	—	—	—	—	—	—	—	—	—
Premature Birth	4	2	4	2	—	1	4	1	18
Debility	—	—	—	2	1	—	—	1	4
Other Causes	1	—	—	1	—	1	1	—	4
	16	9	9	7	11	5	8	9	74

Nett Births in the year { Legitimate —1143 / Illegitimate— 38 }

Nett Deaths under one year { Legitimate —71 / Illegitimate— 3 }

TABLE 3.

For the Year 1947 for the County Borough of Merthyr Tydfil on the Administration of the Factory and Workshop Act, 1901, and the Factories Act, 1937, which superseded the Act of 1901 on 1st July, 1938.

INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH, INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises	Number of		
	Inspections	Written Notices	Occupiers Prosecuted
(1)	(2)	(3)	(4)
FACTORIES with Mechanical Power ...	262	21	Nil
FACTORIES without Mechanical Power ...	415	46	Nil
OTHER PREMISES under the Act (including works of building and engineering construction, but not including outworkers' premises)	16	Nil	Nil
TOTAL	693	67	Nil

3a.—DEFECTS FOUND.

Particulars	Number of Defects			Number of defects in respect of which Prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspector	
(1)	(2)	(3)	(4)	(5)
Want of Cleanliness (Section 1)	35	35	—	—
Overcrowding (Section 2)	—	—	—	—
Unreasonable Temperature (Section 3)	1	1	—	—
Inadequate Ventilation (Section 4)	10	10	—	—
Ineffective Drainage of Floors (Section 6)	2	2	—	—
Sanitary Conveniences S. 7 — Insufficient	3	3	—	—
Sanitary Conveniences S. 7 — Unsuitable or Defective	17	17	—	—
Sanitary Conveniences S. 7 — Not Separate for Sexes	1	1	—	—
Other Offences ... ... (Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937.)	—	—	—	—
TOTAL	69	69	—	—

3b.—OUTWORK IN UNWHOLESOME PREMISES. Section 108.

Nature of Work (1)	Instances (2)	Notices Served (3)	Prosecutions (4)
Wearing Apparel :— Making, etc....	Nil	Nil	Nil
Total	Nil	Nil	Nil